## EAST Search History

| Ref # | Hits | Search Query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DBs                                      | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------|---------|---------------------|
| L2    | 1    | ("0881075").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2008/03/08<br>14:51 |
| L4    | 7    | (("0562657") or<br>("1186429") or<br>("0203260")).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EPO; JPO;<br>DERWENT                     | OR                  | OFF     | 2008/03/08<br>14:52 |
| 1.5   | 45   | (US-6341926-\$ or US-D428027-\$; or US-5234293-\$ or US-5234293-\$ or US-5234293-\$ or US-5152642-\$ or US-5257511-\$ or US-2357511-\$ or US-2357511-\$ or US-235751-\$ or US-235751-\$ or US-20060099041-\$.did. or US-20060099041-\$.did. or US-2060099041-\$.did. or US-3753625-\$,did. or US-345882-\$,did. or US-345882-\$,did. or US-345882-\$,did. or US-395156-\$,did. or US-395156-\$,did. or US-395156-\$,did. or US-3604035-\$,did. or US-3604035-\$,did. or US-3605381-\$ or US-365381-\$ or US-365381-\$ or US-365381-\$ or US-3655381-\$ or US-3655381-\$ or US-3657305-\$ or US-367106-\$ or US-5807106-\$ or US-5807106-\$ or US-5841267-\$ or US-5841706-\$ or US-5841706-\$ or US-5841706-\$ or US-5841706-\$ or US-5941706-\$ or US-7048477-\$ or US-7048477-\$ or US-7048477-\$ or US-7048477-\$ or US-7048477-\$ or US-704877-\$ | US-PGPUB;<br>USPAT                       | OR                  | ON      | 2008/03/08          |

|     |     | 4345899-\$ or US- 1776525-\$ or US- 2101347-\$).did. or (US-3136347-\$ or US- 4335295-\$ or US- 5028057-\$ or US- 5037251-\$ or US- 823574-\$).did. or (US-3458882-\$ or US- 1398156-\$ or US- 2740974-\$).did.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |                     |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------|
| L6  | 21  | (DE-3806060-\$ or WO-2004050282-\$), did. or (IP-06210509) \$ or JP-58149113-\$), did. or (WO-8403461-\$ or DE-29700943-\$ or JD-10015861-\$), did. or (DE-2030626-\$ or DE-10015861-\$ or UD-20303601-\$ or DE-20303601-\$ or DE-20303403-\$ or DE-20303403-\$ or DE-20303403-\$ or DE-20303403-\$ or DE-3030403-\$ or DE-3030400-\$ or DE-303 | EPO; JPO;<br>DEEWENT                     | OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ON  | 2008/03/08          |
| L7  | 9   | ("2740974"  <br>"4090808"  <br>"5037251"  <br>"5387059"  <br>"5399051"  <br>"5779404").PN. OR<br>("D428027").URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT; USOCR                | on the state of th | ON  | 2008/03/08<br>15:33 |
| L8  | 1   | ((DAVID) near2<br>(MUGELI)).INV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT; USOCR                | OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ON  | 2008/03/08<br>15:55 |
| L9  | 1   | ((DAVID) near2<br>(MUGELI)).INV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EPO; JPO;<br>DERWENT                     | OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ON  | 2008/03/08<br>15:55 |
| L10 | 780 | (408/16).OCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OFF | 2008/03/08<br>17:18 |
| L11 | 745 | (408/226).CCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OFF | 2008/03/08<br>17:18 |

| L12 | 181  | (408/710).OCLS.                                                                                                                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/03/08<br>17:18 |
|-----|------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----|-----|---------------------|
| L13 | 780  | (408/16).OCLS.                                                                                                                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/03/08<br>17:21 |
| L14 | 745  | (408/226).OCLS.                                                                                                                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/03/08<br>17:21 |
| L15 | 181  | (408/710).CCLS.                                                                                                                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2008/03/08<br>17:21 |
| L16 | 415  | (L13 or L14 or L15)<br>and (fractur\$3 or<br>wast\$3 or break\$3<br>or reduct\$3 or weak<br>\$5 or stress or relief)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2008/03/08<br>17:21 |
| L17 | 485  | B23B051/02.ipc.                                                                                                                                    | EPO; JPO;<br>DERWENT                     | OR | ON  | 2008/03/08<br>17:21 |
| L18 | 2233 | B23B051/00.ipc.                                                                                                                                    | EPO; JPO;<br>DERWENT                     | OR | ON  | 2008/03/08<br>17:22 |
| L19 | 340  | (L18 or L17) and<br>(fractur\$3 or wast\$3<br>or break\$3 or reduct<br>\$3 or weak\$5 or<br>stress or relief)                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2008/03/08<br>17:22 |
| L20 | 189  | L16 and (strength or torque)                                                                                                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2008/03/08<br>17:22 |
| L21 | 48   | L19 and (strength or torque)                                                                                                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2008/03/08<br>17:22 |
| L22 | 105  | (L13 or L14 or L15)<br>and ((fractur\$3 or<br>wast\$3 or break\$3<br>or reduct\$3 or weak<br>\$5 or stress or relief)<br>with (shank or<br>shaft)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2008/03/08<br>17:28 |
| L24 | 340  | (L18 or L17) and<br>(fractur\$3 or wast\$3<br>or break\$3 or reduct<br>\$3 or weak\$5 or<br>stress or relief)                                      | EPO; JPO;<br>DERWENT                     | OR | ON  | 2008/03/08<br>17:29 |

| L25 | 72   | (L18 or L17) and<br>((fractur\$3 or wast<br>\$3 or break\$3 or<br>reduct\$3 or weak\$5<br>or stress or relief)<br>and (shank or<br>shaft)) | EPO; JPO;<br>DERWENT                               | OR | ON  | 2008/03/08<br>17:30 |
|-----|------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----|-----|---------------------|
| S1  | 773  | (408/16).OCLS.                                                                                                                             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | OR | OFF | 2007/06/12<br>15:13 |
| S2  | 736  | (408/226).OCLS.                                                                                                                            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | OR | OFF | 2007/06/12<br>15:13 |
| S3  | 181  | (408/710).OCLS.                                                                                                                            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT           | OR | OFF | 2007/06/12<br>15:14 |
| S4  | 5364 | B23B051/00.ipc.                                                                                                                            | EPO; JPO;<br>DERWENT                               | OR | ON  | 2007/06/12<br>15:14 |
| S5  | 1513 | B23B051/02.ipc.                                                                                                                            | EPO; JPO;<br>DERWENT                               | OR | ON  | 2007/06/12<br>15:14 |
| S6  | 6503 | S4 or S5                                                                                                                                   | EPO; JPO;<br>DERWENT                               | OR | ON  | 2007/06/12<br>15:54 |
| S7  | 441  | S6 and (fractur\$3 or break\$3 or shear\$3)                                                                                                | EPO; JPO;<br>DERWENT                               | OR | ON  | 2007/06/12<br>15:55 |
| S8  | 2    | mugeli-david-rees.in.                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/06/12<br>15:24 |
| S9  | 0    | mugeli-david-r.in.                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/06/12<br>15:16 |
| S10 | 0    | mugeli-david.in.                                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO: DERWENT | OR | ON  | 2007/06/12<br>15:18 |

| S11 | 166 | "97818" "117237"      | US-PGPUB;    | OR    | ON | 2007/06/12 |
|-----|-----|-----------------------|--------------|-------|----|------------|
|     |     | "1317624" "460639"    | USPAT; USOCR | ***** |    | 15:28      |
|     |     | "535939" "1093331".   |              |       |    |            |
|     |     | pn. or "1235604".pn.  |              |       |    |            |
|     |     | or "1265348".pn. or   |              |       |    |            |
|     |     | "1663341".pn. or      |              |       |    |            |
|     |     | "1694229".pn. or      |              |       |    |            |
|     |     | "1984839".pn. or      |              |       |    |            |
|     |     | "2915926".pn. or      |              |       |    |            |
|     |     | "3052999".pn. or      |              |       |    |            |
|     |     | "3076356".pn. or US-  |              |       |    |            |
|     |     | 3128645-\$.did. or    |              |       |    |            |
|     |     | "3143900".pn. or      |              |       |    |            |
|     |     | "3263531".pn. or      |              |       |    |            |
|     |     | "3748052".pn. or      |              |       |    |            |
|     |     | "3857305".pn. or US-  |              |       |    |            |
|     |     | 3858892-\$.did. or    |              |       |    |            |
|     |     | "3697141".pn. or US-  |              |       |    |            |
|     |     | 3945069-\$.did. or    |              |       |    |            |
|     |     | US-4226562-\$.did.    |              |       |    |            |
|     |     | or US-4248555-\$.     |              |       |    |            |
|     |     | did. or US-4588339-   |              |       |    |            |
|     |     | \$.did. or "4710075". |              |       |    |            |
|     |     | pn. or "4720907".pn.  |              |       |    |            |
|     |     | or "4527449".pn. or   |              |       |    |            |
|     |     | US-4720907-\$.did.    |              |       |    |            |
|     |     | or US-4773800-\$.     |              |       |    |            |
|     |     | did. or US-4809426-   |              |       |    |            |
|     |     | \$.did. or US-        |              |       |    |            |
|     |     | 4850766-\$.did. or    |              |       |    |            |
|     |     | "4856177".pn. or      |              |       |    |            |
|     |     | "4890306".pn. or      |              |       |    |            |
|     |     | "4904130".pn. or      |              |       |    |            |
|     |     | "5076742".pn. or      |              |       |    |            |
|     |     | "5102271".pn. or      |              |       |    |            |
|     |     | "5350380".pn. or US-  |              |       |    |            |
|     |     | 5692998-\$.did. or    |              |       |    |            |
|     |     | "5807106".pn. or      |              |       |    |            |
|     |     | "5842267".pn. or      |              |       |    |            |
|     |     | "5890897".pn. or      |              |       |    |            |
|     |     | "5941706".pn. or      |              |       |    |            |
|     |     | "5957634".pn. or      |              |       |    |            |
|     |     | "5961256".pn. or      |              |       |    |            |
|     |     | "6547562".pn. or      |              |       |    |            |
|     |     | "6637988".pn. or US-  |              |       |    |            |
|     |     | 6935814-\$.did. or    |              | -     |    |            |
|     |     | US-7048477-\$.did.    |              | ***   |    |            |
|     |     |                       |              |       |    |            |
|     |     | or US-7021872-\$.     |              |       |    |            |
|     |     | did. or US-           |              |       |    |            |
|     |     | 20020028422-\$.did.   |              |       |    |            |
|     |     | or US-20020172923-    |              | -     |    |            |
|     |     | \$.did. or US-        |              |       |    |            |
|     | 1   | 2003010823-\$.did.    | 1            | 1     | 1  | §          |

|     |     | or US-20040129125-<br>\$.did. or US-<br>20040208717-\$.did.<br>or US-20040265082-<br>\$.did. or US-<br>20060159533-\$.did.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      | *************************************** |    |            |
|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------|----|------------|
| S12 | 157 | "58149113",pn. or JP-58102650-\$, did. or "60009628",pn. or "63229211",pn. or "01210247",pn. or "01210247",pn. or JP-08068605-\$, did. or "04164508",pn. or JP-08068605-\$, did. or "09225719",pn. or "10034419",pn. or JP-10034419",pn. or "10034419",pn. or "10034419",pn. or "10034419",pn. or JP-200321067-\$, did. or "2003127016",pn. or "2003127016",pn. or "246060" or "246060" or "246060" or "2589095",pn. or "2589095",pn. or "2710570",pn. or FR-2851945-\$, did. or "1750772",pn. or "19721686",pn. or "19750772",pn. or "19750772",pn. or "19750772",pn. or "1984080",pn. or "19750772",pn. or "19750772",pn. or "1984080",pn. or "1985131",pn. or "19750772",pn. or "19750772",pn. or "1984080",pn. or "1985131",pn. or "19750772",pn. or "198613264",pn. or DE-19511346-\$, did. or "P1855662-\$, did. or EP-674973-\$, did. or EP-674973-\$, did. or EP-674973-\$, did. or EP-121820-\$, did. or EP-1216805-\$, did. or EP-121680 | EPO; JPO;<br>DERWENT | OR                                      | ON | 2007/06/12 |

|     | *************************************** | did. or EP-928599-\$.<br>did. or "12305" or "278585" or "4403625" or "4403625" or "4231711" or "2331261" or "2004060598".pn. or "2004026165".pn. or WO-2005031207-\$.<br>did. |                           |    |    |                     |
|-----|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----|----|---------------------|
| S13 | 23                                      | ("0088649"  <br>"0117237"  <br>"0850480"  <br>"1984839"  <br>"2219605"  <br>"3349647"  <br>"4527449").PN. OR<br>("4904130").URPN.                                             | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/06/12<br>15:47 |
| S14 | 33                                      | ("1984839").URPN.                                                                                                                                                             | USPAT                     | OR | ON | 2007/06/12<br>15:50 |
| S15 | 1432                                    | S1 or S2 or S3                                                                                                                                                                | US-PGPUB;<br>USPAT        | OR | ON | 2007/06/12<br>15:54 |
| S16 | 223                                     | S15 and (fractur\$3<br>or break\$3 or shear<br>\$3)                                                                                                                           | US-PGPUB;<br>USPAT        | OR | ON | 2007/06/12<br>16:45 |
| S17 | 2133                                    | "408"/.ccls. and<br>(fractur\$3 or break<br>\$3 or shear\$3)                                                                                                                  | US-PGPUB;<br>USPAT        | OR | ON | 2007/06/12<br>15:56 |
| S18 | 1880                                    | "408"/.ccls. and<br>(fractur\$3 or break<br>\$3 or shear\$3)                                                                                                                  | USPAT                     | OR | ON | 2007/06/12<br>15:56 |
| S19 | 5                                       | ("2740974"  <br>"5152642"  <br>"5299105"  <br>"5934385").PN. OR<br>("6341926").URPN.                                                                                          | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/06/12<br>16:03 |
| S20 | 20                                      | ("1776525"  <br>"2101347"  <br>"2740974"  <br>"2761298"  <br>"3458882"  <br>"4113480"  <br>"4762444").PN. OR<br>("5152642").URPN.                                             | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/06/12<br>16:04 |
| S21 | 9                                       | ("2740974").URPN.                                                                                                                                                             | USPAT                     | OR | ON | 2007/06/12<br>16:04 |
| S22 | 4                                       | ("3458882").URPN.                                                                                                                                                             | USPAT                     | OR | ON | 2007/06/12<br>16:07 |

| S23  | 3   | ("2101347").URPN.                                                                                                                                                                                                           | USPAT                     | OR | ON | 2007/06/12<br>16:08 |
|------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----|----|---------------------|
| S24  | 7   | ("1776525").URPN.                                                                                                                                                                                                           | USPAT                     | OR | ON | 2007/06/12<br>16:09 |
| S25  | 34  | ["0881075"  <br>"0903904"  <br>"1776525"  <br>"1870153"  <br>"2157996"  <br>"2761298"  <br>"3301101").FN. OR<br>["3753625").URPN.                                                                                           | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/06/12          |
| S26  | 12  | ("1398156"  <br>"2101347"  <br>"2740974"  <br>"3458882").PN. OR<br>("5234293").URPN.                                                                                                                                        | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/06/12<br>16:12 |
| S27  | 421 | S15 and (reduc\$4)                                                                                                                                                                                                          | US-PGPUB;<br>USPAT        | OR | ON | 2007/06/12<br>16:45 |
| S28  | 264 | S27 not S16                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT        | OR | ON | 2007/06/12<br>16:46 |
| \$29 | 18  | ("0824735"  <br>"1425482"  <br>"2854238"  <br>"4107949"  <br>"4211009"  <br>"4335295"  <br>"4586859"  <br>"4702561"  <br>"4726719"  <br>"4840519"  <br>"4934192"  <br>"5028057"  <br>"5174698").PN. OR<br>("RE35174").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/06/12<br>16:52 |
| S30  | 27  | ("4107949"  <br>"4335295"  <br>"4943192").PN. OR<br>("5028057").URPN.                                                                                                                                                       | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/06/12<br>16:53 |

| S31 | 31 | ["0317970"   "0319019"   "1427556"   "2335741"   "2523041"   "3136347"   "3265343"   "3355752"   "4703677"   "D046716"   "D048395"), PN. OR ["5037251"), URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT; USOCR                        | OR | ON  | 2007/06/12<br>16:59 |
|-----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----|-----|---------------------|
| S32 | 1  | 1997-181491.NRAN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DERWENT                                          | OR | ON  | 2007/06/12<br>18:10 |
| S33 | 2  | (("5466100") or<br>("5028057")).PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT                               | OR | OFF | 2007/06/12<br>18:11 |
| S34 | 2  | DE-4316799-\$.did.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT         | OR | ON  | 2007/06/12<br>18:12 |
| S35 | 56 | (US-20060099041-\$ or US-20020172923-\$ ), did, or (US- 1265348-\$ or US- 3263531-\$ or US- 1365348-\$ or US- 1365348-\$ or US- 1365348-\$ or US- 13653999-\$ or US- 4527449-\$ or US- 4527449-\$ or US- 4527449-\$ or US- 4527449-\$ or US- 4710075-\$ or US- 4710075-\$ or US- 4720907-\$ or US- 4804130-\$ or US- 58017106-\$ or US- 5804726-\$ or US- 5841706-\$ or US- 5941706-\$ or US- 6190097-\$ or US- 6234293-\$ or US- 13427556-\$ or US- 13427556-\$ or US- 13427556-\$ or US- 1341926-\$ or US- 1341926-\$ or US- 1341926-\$ or US- 1398156-\$ or US- 176525-\$ or US- 176 | US-PAT;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON  | 2007/06/13          |

| <b>S</b> 37 | 12 | or US-20060099041- \$.did.  (DE-3806060-\$ or  WO-2004050282-\$). did. or (JP-06210509- \$ or JP-2005052930- \$ or JP-58149113-\$). did. or (WO-  8403461-\$ or DE- 29700943-\$ or DE- 10015861-\$). did.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EPO; JPO;<br>DERWENT | OR | ON | 2007/06/13<br>13:23 |
|-------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----|----|---------------------|
| S36         | 9  | (US-6341926-\$ or<br>US-D428027-\$ or US-<br>5234293-\$ or US-<br>5152642-\$ or US-<br>D257511-\$ or US-<br>2335741-\$ or US-<br>4762444-\$).did. or<br>(US-2740974-\$).did.<br>or US-20060099041-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT   | OR | ON | 2007/06/13<br>13:22 |
|             |    | 4335295-\$ or US-5028057-\$ or US-5028057-\$ or US-3037251-\$ or US-3037251-\$ or US-3753625-\$ or US-2740974-\$ or US-2740974-\$ or US-2101347-\$ or US-345882-\$ or US-1776525-\$ or US-1398156-\$ or US-17995-\$). did. or (WO-2004050282-\$ or DE-4316799-\$). did. or (PP-06210509-\$). did. or (PP-06210509-\$). did. or OB-4316799-\$). did. or OB-6210509-\$). did. or DE-20308626-\$ or DD-203260-\$ or DD-203260-\$ or DB-20303601-\$ or DB-2001334403-\$ or DB-2001334403-\$ or DB-2001334403-\$ or DB-200133430-\$ or DB-200133439-\$ or DB-200133439-\$ or DB-20700943-\$, did. |                      |    |    |                     |

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